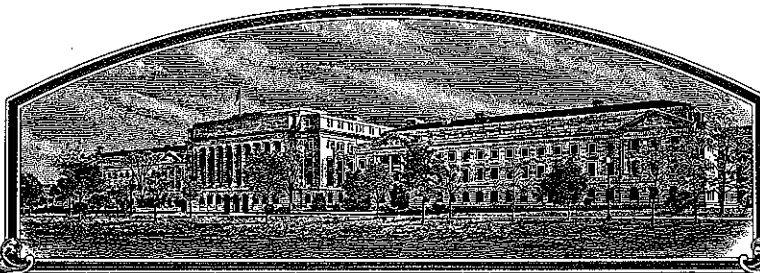


No.

200100226



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Luza Zaden Bebeer R. H.*

Whereas, THERE HAS BEEN PRESENTED TO THE  
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Coastal Star'

*In Testimony Whereof, I have hereunto set my hand  
and caused the seal of the Plant Variety  
Protection Office to be affixed at the City of  
Washington, D.C. this twenty-sixth day of July,  
in the year two thousand and five.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICEAPPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER ENZA ZADEN, <del>De Enkhuizer Zaadhandel BV</del> <i>Beheer</i> <i>RAO 5/19/05</i>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME Exp. R2776		3. VARIETY NAME Coastal Star	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Postbus 7, 1600 AA ENKHUIZEN Haling 1e, 1602 DB ENKHUIZEN The Netherlands		5. TELEPHONE (include area code) USA: 831 623-4644 NL: +31 228-315844		FOR OFFICIAL USE ONLY PVPO NUMBER 200100226	
		6. FAX (include area code) USA: 831 623-1746 NL: +31 228-315854		FILING DATE July 23, 2001	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) corporation		8. IF INCORPORATED, GIVE STATE OF INCORPORATION Holland		9. DATE OF INCORPORATION 1938	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Mel Holland P.O. Box 866 San Juan Bautista, CA 95045				FILING AND EXAMINATION FEES: \$ 2,705 - DATE July 23, 2001 CERTIFICATION FEE: \$ 432 - DATE May 10, 2005	
11. TELEPHONE (include area code) 831 623-4644		12. FAX (include area code) 831 623-1746		13. E-MAIL mhollan2@ix.netcom.com	
14. CROP KIND (Common Name) Lettuce		15. GENUS AND SPECIES NAME OF CROP Lactuca sativa		16. FAMILY NAME (Botanical) Compositae	
17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)			
19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no", go to item 22)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED			
21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? IF YES, SPECIFY THE <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED NUMBER 1,2,3, etc. (If additional explanation is necessary, please use the space indicated on the reverse.)		22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)			
23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)		24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER ENZA ZADEN, De Enkhuizer Zaadhandel BV <i>by, Donald G. Bergam</i>		SIGNATURE OF OWNER			
NAME (Please print or type) ENZA ZADEN, De Enkhuizer Zaadhandel BV by, Donald G Bergam		NAME (Please print or type)			
CAPACITY OR TITLE Plant Breeder		DATE 7/18/2001		CAPACITY OR TITLE	
DATE		DATE		DATE	

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. **Retain one copy for your files.** All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

#### ITEM

- 18a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
  - (2) the details of subsequent stages of selection and multiplication;
  - (3) evidence of uniformity and stability; and
  - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

U.S.A. July 23, 2000

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed/lsg-sd.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

## Exhibit A

### Origin and Breeding History of the Variety

Lettuce: "Coastal Star"

*Cos*  
^  
Coastal Star originated from a cross made in 1996 between the romaine lettuce cultivars Darkland and Medallion. Darkland (female parent) is a large sized, earlier cupping, corky root susceptible line. Medallion (male parent) is a medium sized, slow cupping cultivar with corky root resistance and lettuce mosaic virus resistance. The pedigree method of plant breeding employing single plant and mass selection was used in developing Coastal Star. Screening for corky root resistance was utilized in combination with the selection process.

The selection criteria, disease screening and seed multiplication involved in the development of Coastal Star are as follows:

1. Cross made and F<sub>1</sub> plants grown in the greenhouse to produce F<sub>2</sub> seed.
- Rhizomonas suberifaciens*  
^  
2. F<sub>2</sub> generation screened for corky root resistance. Eight of the more vigorous, resistant plants were selected, grown in the greenhouse and the resulting F<sub>3</sub> seed collected.
3. F<sub>3</sub> generation grown on Coastal Seeds' trial grounds located in the San Juan Bautista, California, area. Segregation was observed for plant size, height and cupping. Three single plant selections were made based on larger size and taller plant habit. The selections were designated 3x1201ms1-1A to C.
4. F<sub>4</sub> generation seed collected from 3x1201ms1-1A to C was screened for corky root and the selections found to be resistant. Two selections with superior plant vigor were made in the line designated as 3x1201ms1-1A1 and 2, transplanted to the greenhouse and the resulting F<sub>5</sub> seed collected.
- Cos*  
^  
5. F<sub>5</sub> generation. The two selections, 3x1201ms1-1A1 and 2, were evaluated in test plots on the company trial grounds. Selection 3x1201ms1-1A2 was uniform for type with taller plant habit and larger size than Medallion or Darkland. A mass selection of sixteen plants from 3x1201ms1-1A2 was transplanted to a screenhouse to produce a seed increase for trial evaluation and foundation seed. The seed increase was designated Exp. R2776.
6. Exp. R2776 (F<sub>6</sub> generation) was screened for corky root disease with inoculum *CAI* (phone conversation) obtained from the Plant Pathology Department, University of California at Davis and tested 100% resistant. In extensive trial and field planting in the lettuce growing areas of California, Exp. R2776 was uniform and stable for type. No variants were observed. Plantings on corky root infested ground confirmed the resistance of Exp. R2776 to the disease. *RAD*  
4/11/05
7. A seed increase of Coastal Star using Exp. R2776 for stock seed was made in Australia during the 1999-2000 production season. Trial and field plantings demonstrated that Coastal Star was uniform and stable. No variants were observed.

Disease screening and plantings on corky root infested ground confirmed that Coastal Star was uniform and stable for corky root resistance.

8. In 2000 a seed increase was grown in California using the Australian production for stock seed. Subsequent trial and field plantings demonstrated that Coastal Star had remained uniform and stable for type with no observed variants. Disease screening and plantings on corky root infested ground demonstrated that Coastal Star had retained its uniformity and stability for corky resistance through the third generation of reproduction.

Coastal Star can be distinguished from the parent cultivars as follows:

1. Medallion: Coastal Star has a taller plant habit, greater head weight and longer cores compared to Medallion. Coastal Star is lettuce mosaic virus susceptible while Medallion is lettuce mosaic virus resistant.
2. Darkland: Coastal Star is corky root resistant. Darkland is corky root susceptible. Grown on soil infested with corky root disease, Coastal Star has a taller plant habit, greater head weight and longer core compared to Darkland.

Cos

Coastal Star has been evaluated in extensive trials and field plantings in the lettuce growing areas of California. Coastal Star has been observed to be uniform and stable from the F<sub>5</sub> through three generations of reproduction. No variants have been observed. Coastal Star has been uniform and stable for corky root resistance from the F<sub>4</sub> through three generations of reproduction.

## Exhibit B

### Statement of Distinctness

Lettuce: "Coastal Star"

Coastal Star is most similar to Medallion. Coastal Star differs from Medallion in having taller plant habit (34 cm. vs. 30 cm.), greater head weight (842 g. vs. 742 g.) and longer core (73 mm. vs. 59 mm.). Coastal Star is lettuce mosaic virus susceptible whereas Medallion is lettuce mosaic virus resistant.

Co<sup>s</sup> Coastal Star differs from the parent variety, Darkland, in its resistance to corky root disease. Coastal Star is resistant whereas Darkland is susceptible. Grown in corky root infested soil, Coastal Star differs from Darkland in having taller plant habit (34 cm. vs. 29 cm.), greater head weight (842 g. vs. 688 g.) and longer core (73 mm. vs. 55 mm.)

Exhibit B: Coastal Star

PVP Trial #1

C&amp;G Farms in Chular, California on August 20, 2000

Variety Effects on Head Height

RAD 4/11/05

Total	Coastal Star	Medallion	Darkland Cos
Count	96	96	96
Sum	3148.5	2777.5	2787.5
Average	32.796875	28.93229	29.03646
Variance	2.381990132	2.008525	2.396025

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	66.51649306	3	22.17216	11.24158	5.56E-07	2.637307
Varieties	930.7708333	2	465.3854	235.9565	1.79E-60	3.028489
Interaction	33.84027778	6	5.640046	2.859578	0.010187	2.1315
Within	544.3645833	276	1.972335			
Total	1575.492188	287				

Two way Comparison: Head Height

Coastal Star vs. Medallion

Total	Coastal Star	Medallion
Count	96	96
Sum	3148.5	2777.5
Average	32.796875	28.93229
Variance	2.381990132	2.008525

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	56.35416667	3	18.78472	9.937506	4.19E-06	2.653692
Varieties	716.8802083	1	716.8802	379.2444	1.42E-46	3.892495
Interaction	12.93229167	3	4.310764	2.280483	0.080824	2.653692
Within	347.8125	184	1.890285			
Total	1133.979167	191				

Two way Comparison: Head Height

Coastal Star vs. Darkland Cos

Total	Coastal Star	Darkland Cos
Count	96	96
Sum	3148.5	2787.5
Average	32.796875	29.03646
Variance	2.381990132	2.396025

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	50.29166667	3	16.76389	8.069912	4.43E-05	2.653692
Varieties	678.7552083	1	678.7552	326.7437	1.18E-42	3.892495
Interaction	21.390625	3	7.130208	3.432387	0.018176	2.653692
Within	382.2291667	184	2.077332			
Total	1132.666667	191				

RAD  
4/11/05

**Exhibit B: Coastal Star**

PVP Trial #2 D.J Enterprises

Salinas, California on June 15, 2001

**Variety Effects on Head Height**RAD  
4/11/05

	Total	Coastal Star	Medallion	Darkland	COS
Count		96	96	96	
Sum		3307.5	2993.5	2803	
Average		34.45313	31.18229	29.19792	
Variance		3.489885	7.142736	3.476206	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	177.0625	3	59.02083	17.25799545	2.67372E-10	2.637307
Varieties	1352.106	2	676.053	197.6813627	5.3132E-54	3.028489
Interaction	219.3802	6	36.56337	10.69131702	1.09977E-10	2.1315
Within	943.8958	276	3.419912			
Total	2692.444	287				

**Two way Comparison: Head Height**

Coastal Star vs. Medallion

	Total	Coastal Star	Medallion
Count		96	96
Sum		3307.5	2993.5
Average		34.45313	31.18229
Variance		3.489885	7.142736

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	140.151	3	46.71701	13.03483499	9.31202E-08	2.653692
Varieties	513.5208	1	513.5208	143.2809755	8.62756E-25	3.892495
Interaction	210.4896	3	70.16319	19.5767149	4.6493E-11	2.653692
Within	659.4583	184	3.584013			
Total	1523.62	191				

**Two way Comparison: Head Height**

Coastal Star vs. Darkland COS

RAD 4/11/05

	Total	Coastal Star	Darkland	COS
Count		96	96	
Sum		3307.5	2803	
Average		34.45313	29.19792	
Variance		3.489885	3.476206	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	15.92057	3	5.306858	1.612958916	0.187894705	2.653692
Varieties	1325.626	1	1325.626	402.9090111	3.19368E-48	3.892495
Interaction	40.47266	3	13.49089	4.100400915	0.007593053	2.653692
Within	605.3854	184	3.290138			
Total	1987.405	191				



Exhibit B: Coastal Star

PVP Trial #1 C&amp;G Farms in Chular, California on August 20, 2000

RAP 4/11/05

## Variety Effects on Head Weight

Total	Coastal Star	Medallion	Darkland <i>COS</i>
Count	96	96	96
Sum	81061.5	70587.5	68279
Average	844.390625	735.2864583	711.239583
Variance	15539.14317	11170.0776	12938.5315

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	392421.25	3	130807.0833	11.56937	3.63E-07	2.6373072
Varieties	966757.4809	2	483378.7405	42.75294	6.69E-17	3.0284894
Interaction	253568.8594	6	42261.47656	3.737861	0.001362	2.131500
Within	3120546.354	276	11306.32737			
Total	4733293.944	287				

## Two way Comparison: Head Weight

Coastal Star vs. Medallion

Total	Coastal Star	Medallion
Count	96	96
Sum	81061.5	70587.5
Average	844.390625	735.2864583
Variance	15539.14317	11170.0776

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	530780.8073	3	176926.9358	16.51337	1.52E-09	2.6536923
Varieties	571378.5208	1	571378.5208	53.32929	8.25E-12	3.8924952
Interaction	35189.6875	3	11729.89583	1.094803	0.352649	2.6536923
Within	1971405.479	184	10714.16021			
Total	3108754.495	191				

## Two way Comparison: Head Weight

Coastal Star vs. Darkland *COS*

Total	Coastal Star	Darkland <i>COS</i>
Count	96	96
Sum	81061.5	68279
Average	844.390625	711.2395833
Variance	15539.14317	12938.53147

RAP 4/11/05

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	221215.9206	3	73738.64019	6.062883	0.000587	2.6536923
Varieties	851001.5951	1	851001.5951	69.97041	1.47E-14	3.8924952
Interaction	246298.681	3	82099.56033	6.750328	0.000241	2.6536923
Within	2237864.49	184	12162.30701			
Total	3556380.686	191				

Exhibit B: Coastal Star

PVP Trial #2 D.J. Enterprises

Salinas, California on June 15, 2001

## Variety Effects on Head Weight

Total	Coastal Star	Medallion	Darkland Cos
Count	96	96	96
Sum	80508.5	71851	63801.5
Average	838.6302	748.4479	664.599
Variance	13931.13	19120.36	10630.51

RAD 4/11/05

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	36808.95	3	12269.65	0.83827	0.473855	2.637307
Varieties	1454412	2	727205.9	49.68329	3.72E-19	3.028489
Interaction	73215.99	6	12202.66	0.833696	0.54469	2.1315
Within	4039765	276	14636.83			
Total	5604202	287				

## Two way Comparison: Head Weight

Coastal Star vs. Medallion

Total	Coastal Star	Medallion
Count	96	96
Sum	80508.5	71851
Average	838.6302	748.4479
Variance	13931.13	19120.36

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	73168.61	3	24389.54	1.472672	0.223469	2.653692
Varieties	390376.6	1	390376.6	23.57145	2.56E-06	3.892495
Interaction	19421.76	3	6473.921	0.390904	0.759689	2.653692
Within	3047301	184	16561.42			
Total	3530268	191				

## Two way Comparison: Head Weight

Coastal Star vs. Darkland Cos

Total	Coastal Star	Darkland Cos
Count	96	96
Sum	80508.5	63801.5
Average	838.6302	664.599
Variance	13931.13	10630.51

RAD 4/11/05

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	3610.865	3	1203.622	0.096143	0.962087	2.653692
Varieties	1453770	1	1453770	116.1242	2.65E-21	3.892495
Interaction	26231.36	3	8743.786	0.698436	0.554119	2.653692
Within	2303514	184	12519.1			
Total	3787126	191				

Exhibit B: Coastal Star

PVP Trial #1 C&amp;G Farms in Chular, California on August 20, 2000

## Variety Effects on Core Length

Total	Coastal Star	Medallion	Darkland <i>COS</i>
Count	96	96	96
Sum	8206	6350	6086
Average	85.47917	66.14583	63.39583
Variance	85.57851	69.57851	59.35746

RAD 4/11/05

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	178.1528	3	59.38426	0.819506	0.484018	2.637307
Varieties	27808.44	2	13904.22	191.8791	5.89E-53	3.028489
Interaction	200.8056	6	33.46759	0.461855	0.836243	2.1315
Within	19999.92	276	72.46347			
Total	48187.32	287				

## Two way Comparison: Core Length

Coastal Star vs. Medallion

Total	Coastal Star	Medallion
Count	96	96
Sum	8206	6350
Average	85.47917	66.14583
Variance	85.57851	69.57851

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	203.625	3	67.875	0.868578	0.458461	2.653692
Varieties	17941.33	1	17941.33	229.5905	3.42E-34	3.892495
Interaction	157.625	3	52.54167	0.672362	0.570014	2.653692
Within	14378.67	184	78.14493			
Total	32681.25	191				

## Two way Comparison: Core Length

Coastal Star vs. Darkland *COS*

Total	Coastal Star	Darkland <i>COS</i>
Count	96	96
Sum	8206	6086
Average	85.47917	63.39583
Variance	85.57851	59.35746

RAD 4/11/05

## ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	220.0417	3	73.34722	1.003847	0.392358	2.653692
Varieties	23408.33	1	23408.33	320.3719	3.77E-42	3.892495
Interaction	104.7083	3	34.90278	0.477688	0.698196	2.653692
Within	13444.17	184	73.06612			
Total	37177.25	191				

**Exhibit B: Coastal Star**

PVP Trial #2 D.J. Enterprises

Salinas, California on June 15, 2001

**Variety Effects on Core Length**

Total	Coastal Star	Medallion	Darkland	COS
Count	96	96	96	
Sum	5862	5063	4393	
Average	61.0625	52.73958	45.76042	
Variance	117.8276	96.57357	58.56305	

RAD 4/11/05

**ANOVA**

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	197.2639	3	65.75463	0.717574	0.542214	2.63730726
Varieties	11268.27	2	5634.135	61.48476	8.24E-23	3.02848946
Interaction	443.1736	6	73.86227	0.806052	0.565921	2.13150031
Within	25291.17	276	91.63466			
Total	37199.88	287				

**Two way Comparison: Core Length**

Coastal Star vs. Medallion

Total	Coastal Star	Medallion
Count	96	96
Sum	5862	5063
Average	61.0625	52.73958
Variance	117.8276	96.57357

**ANOVA**

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	76.55729	3	25.5191	0.234502	0.872247	2.65369238
Varieties	3325.005	1	3325.005	30.55434	1.1E-07	3.89249522
Interaction	268.1823	3	89.3941	0.821466	0.483539	2.65369238
Within	20023.38	184	108.8227			
Total	23693.12	191				

**Two way Comparison: Core Length**

Coastal Star vs. Darkland

Total	Coastal Star	Darkland	COS
Count	96	96	
Sum	5862	4393	
Average	61.0625	45.76042	
Variance	117.8276	58.56305	

RAD 4/11/05

**ANOVA**

Source of Variation	SS	df	MS	F	P-value	F crit
Reps	231.5156	3	77.17188	0.865389	0.460125	2.65369238
Varieties	11239.38	1	11239.38	126.036	1.3E-22	3.89249522
Interaction	117.224	3	39.07465	0.438175	0.725954	2.65369238
Within	16408.38	184	89.17595			
Total	27996.49	191				

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION  
OBJECTIVE DESCRIPTION OF VARIETY  
LETTUCE *Lactuca sativa*

EXHIBIT C

RAD 5/9/05

NAME OF APPLICANT (S) ENZA ZADEN, De <u>Beheer</u> <u>Enkhuizer Zaadhandel BV</u>	FOR OFFICIAL USE ONLY PVPO NUMBER <u>200100226</u>
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Postbus 7, 1600 AA ENKUIZEN Haling 1e., 1602 DB ENKUIZEN The Netherlands	VARIETY NAME
	EXPERIMENTAL DESIGNATION

Place numbers in the boxes for the characters which best describe this variety. Measured data should be the mean of an appropriate number (at least 10) of well spaced plants. Royal Horticultural Society or any recognized color standard may be used to determine plant colors.

The location of the test area is: San Juan Bautista, CA. Color System Used: Royal Horticultural Society Colour Chart

1. PLANT TYPE: (See list of suggested check varieties page 4.)

04

01=Cutting/Leaf  
02=Butterhead  
03=Bibb  
04=Cos or Romaine  
05=Great Lakes Group  
06=Vanguard Group  
07=Imperial Group  
08=Eastern (Ithaca) Group

09=Stem  
10=Latin  
11=OTHER

2. SEED:

1

COLOR  
1=White (Silver Gray)  
2=Black (Gray Brown)  
3=Brown (Amber)

2

LIGHT DORMANCY  
1=Light Required  
2=Light Not Required

1

HEAT DORMANCY  
1=Susceptible  
2=Not Susceptible

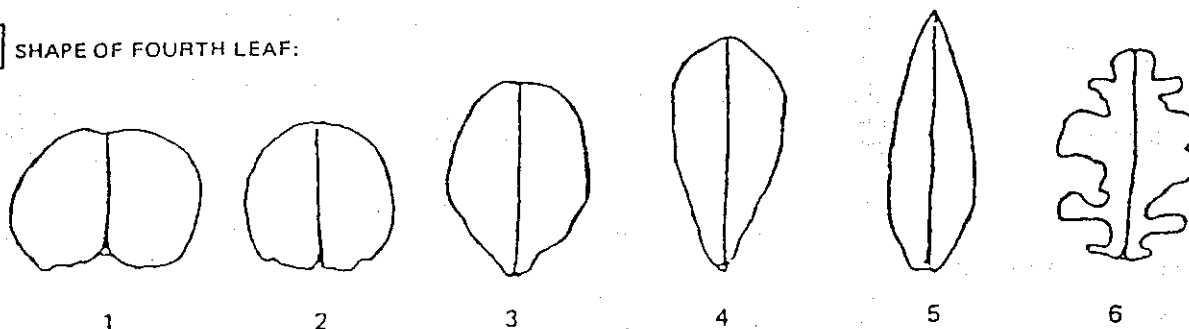
3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide a color photograph or photocopy of the fourth leaf from 20 day old seedling grown under optimal conditions.

2

SHAPE OF COTYLEDONS: 1=Broad 2=Intermediate 3=Spatulate

4

SHAPE OF FOURTH LEAF:



116

LENGTH/WIDTH INDEX OF FOURTH LEAF: LW x 10 (information pending)

1

APICAL MARGIN:

1=Entire  
2=Crenate/Gnawed  
3=Finely Dentate  
4=Moderately Dentate  
5=Coarsely Dentate  
6=Incised

7=Lobed  
8=OTHER (specify)

4

BASAL MARGIN:

1

UNDULATION:

1=Flat 2=Slight 3=Medium 4=Marked

4

GREEN COLOR:

1=Yellow Green 2=Light Green 3=Medium Green 4=Dark Green 5=Blue Green 6=Silver Green 7=Gray Green

ANTHOCYANIN:

1

DISTRIBUTION:

1=Absent 2=Margin Only 3=Spotted 4=Throughout

5=OTHER (specify)

7

CONCENTRATION:

1=Light 2=Moderate 3=Intense

1

ROLLING:

1=Absent 2=Present

2

CUPPING:

1=Uncupped 2=Slight 3=Markedly

1

REFLEXING:

1=None 2=Apical Margin 3=Lateral Margins

4. MATURE LEAVES (observe harvest-mature outer leaves):

NOTE: Provide color photo of harvest-mature leaves which accurately shows color and margin characteristics.

MARGIN:

2	INCISION DEPTH: (deepest penetration of the margin)	1=Absent/Shallow (Dark Green Boston)	2=Moderate (Vanguard)	3=Deep (Great Lakes 659)
2	INDENTATION: (finest divisions of the margin)	1=Entire (Dark Green Boston)	3=Deeply Dentate (Great Lakes 659)	5=OTHER (specify)
		2=Shallowly Dentate (Great Lakes 65)	4=Crenate (Vanguard)	
2	UNDULATION OF THE APICAL MARGIN:	1=Absent/Slight (Dark Green Boston)	2=Moderate (Vanguard)	3=Strong (Great Lakes 659)
5	GREEN COLOR:	1=Very Light Green (Bibb)	3=Medium Green (Great Lakes)	5=Very Dark Green
		2=Light Green (Minetto)	4=Dark Green (Vanguard)	6=OTHER
ANTHOCYANIN (grown at or below 10 C):				
1	DISTRIBUTION:	1=Absent	3=Spotted (Calif. Cream Butter)	5=OTHER (specify)
		2=Margin Only (Big Boston)	4=Throughout (Prize Head)	
/	CONCENTRATION:	1=Light (Iceberg)	2=Moderate (Prize Head)	3=Intense (Ruby)
3	SIZE:	1=Small	2=Medium	3=Large
2	GLOSSINESS:	1=Dull (Vanguard)	2=Moderate (Salinas)	3=Glossy (Great Lakes)
2	BLISTERING:	1=Absent/Slight (Salinas)	2=Moderate (Vanguard)	3=Strong (Prize Head)
2	LEAF THICKNESS:	1=Thin	2=Intermediate	3=Thick
1	TRICHOMES:	1=Absent (smooth)	2=Present (spiny)	

5. PLANT (at market stage. Choose a comparison variety appropriate for this type.):

/ /	SPREAD OF FRAME LEAVES:	/ /	cm This Variety	/ /	cm (specify comparison variety)
/ /	HEAD DIAMETER (market trimmed with single cap leaf):	/ /	cm This Variety	/ /	cm (specify comparison variety)
6	HEAD SHAPE:	1=Flattened	3=Spherical	5=Non-Heading	
		2=Slightly Flattened	4=Elongate	6=OTHER Romaine	
/	HEAD SIZE CLASS:	1=Small	2=Medium	3=Large	
2 4	HEAD COUNT PER CARTON				
8 4 2	HEAD WEIGHT:	7 4 2	g This Variety	Medallion	(specify comparison variety)
/	HEAD FIRMNESS:	1=Loose	3=Firm		
		2=Moderate	4=Very Firm		

6. BUTT (bottom of market-trimmed head):

/	SHAPE:	1=Slightly Concave	2=Flat	3=Rounded
2	MIDRIB:	1=Flattened (Salinas)	2=Moderately Raised	3=Prominently Raised (Great Lakes 659)

7. CORE (stem of market-trimmed head):

3 5	mm Diameter at base of head	
/ / /	Ratio of head diameter/core diameter	
7 3	Core height from base of head to apex:	5 9 mm Medallion (specify comparison variety)
	mm This Variety	

8. BOLTING (Give First Water Date 6-30-00):

NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.

0 7 2	Number of days from First Water Date to seed stalk emergence (summer conditions):	0 7 5	This Variety	Medallion	(specify comparison variety)
4	BOLTING CLASS:	1=Very Slow	3=Medium	5=Very Rapid	
		2=Slow	4=Rapid		
1 3 2	Height of mature seed stalk:	1 0 9	cm This Variety	Green Towers	(specify comparison variety)

200100276

Spread of Bolter Plant (at widest point):

4 1

cm This Variety

4 4

cm

Green Towers

(specify comparison variety)

1

BOLTER LEAVES:

1=Straight

2=Curved

1

MARGIN:

1=Entire

2=Dentate

3

COLOR:

1=Light Green

2=Medium Green

3=Dark Green

BOLTER HABIT:

2

TERMINAL INFLORESCENCE:

1=Absent

2=Present

1

LATERAL SHOOTS:  
(above head)

1=Absent

2=Present

1

BASAL SIDE SHOOTS:

1=Absent

2=Present

## 9. MATURITY (earliness of harvest-mature head formation):

NOTE: Complete this section for at least one season.

SEASON	Applic. 1/ # of days	Check 1/ # of days	CHECK VARIETY 2/
Spring	<input type="text"/> 8 <input type="text"/> 2	<input type="text"/> 8 <input type="text"/> 5	Darkland Cos
Summer	<input type="text"/> 6 <input type="text"/> 2	<input type="text"/> 6 <input type="text"/> 6	Darkland Cos
Fall	<input type="text"/> 6 <input type="text"/> 4	<input type="text"/> 6 <input type="text"/> 7	Darkland Cos
Winter	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	

Give planting date(s), and location(s):

Spring February 9, 2000 San Juan Bautista, CA

Summer June 30, 2000 San Juan Bautista, CA

Fall August 15, 2000 San Juan Bautista, CA

Winter

1/ First water date to harvest.

2/ Fill in check variety name on the appropriate line.

## 10. ADAPTATION:

PRIMARY REGIONS OF ADAPTION (tested and proven adapted):

(0=Not tested

1=Not Adapted

2=Adapted)

2

Southwest (Calif., Ariz. desert)

2

West Coast

0

Northeast

0

Northcentral

0

Southeast

0

OTHER

SEASON:

2

Spring (area West Coast/Southwest)

2

Fall (area West Coast)

2

Summer (area West Coast)

2

Winter (area Southwest)

0

GREENHOUSE:

0=Not tested

1=Not Adapted

2=Adapted

1

SOIL TYPE:

1=Mineral

2=Organic

3=Both

11. DISEASES AND STRESS REACTIONS (0=Not tested; 1=Susceptible; 2=Intermediate; 3=Resistant; 4=Highly resistant; 5=Tolerant):

VIRUS

- ☐ 0 Big Vein  
☒ 1 Lettuce Mosaic  
☐ 0 Cucumber Mosaic  
☐ 0 Broad Bean Wilt  
☐ 0 Turnip Mosaic  
☐ 0 Beet Western Yellows  
☐ 0 Lett. Infectious Yellows  
☐ Other Virus \_\_\_\_\_

FUNGAL/BACTERIAL

- ☒ 4 Corky Root Rot (Pythium Root Rot)  
☒ 1 Downy Mildew (Races Rhizomonas suberifaciens)  
☐ 0 Powdery Mildew  
☐ 0 Sclerotinia Rot  
☐ 0 Bacterial Soft Rot (Pseudomonas spp. & others)  
☐ 0 Botrytis (Gray Mold)  
☐ OTHER \_\_\_\_\_

RAD  
4/11/05

CA-I

INSECTS

- ☐ 0 Cabbage Loopers  
☐ 0 Root Aphids  
☒ 1 Green Peach Aphid  
☐ Other Insect \_\_\_\_\_

PHYSIOLOGICAL/STRESS

- ☒ 5 Tipburn  
☒ 5 Heat  
☐ 0 Drought  
☐ 0 Cold  
☐ 0 Salt  
☐ 0 Brown Rib (Rib Discoloration, Rib Blight)  
☐ OTHER \_\_\_\_\_

POST HARVEST

- ☐ 0 Pink Rib  
☐ 0 Russet Spotting  
☐ 0 Rusty Brown Discoloration  
☐ 0 Internal Rib Necrosis (Blackheart, Gray Rib, Gray Streak)  
☐ 0 Brown Stain

12. BIOCHEMICAL OR ELECTROPHORETIC MARKERS:

13. COMMENTS:

SUGGESTED CHECK VARIETIES

- TYPE  
 1) CUTTING/LEAF  
 2) BUTTERHEAD  
 3) BIBB  
 4) COS, OR ROMAINE  
 5) GREAT LAKES GROUP  
 6) VANGUARD GROUP  
 7) IMPERIAL GROUP  
 8) EASTERN GROUP  
 9) STEM  
 10) LATIN

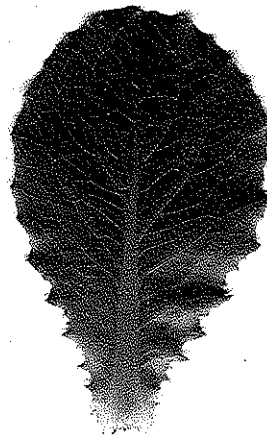
- CHECK VARIETY  
 SALAD BOWL  
 DARK GREEN BOSTON  
 BIBB  
 PARRIS ISLAND  
 GREAT LAKES 659-700  
 VANGUARD  
 VIVA  
 ITHACA  
 CELTUCE  
 MATCHLESS



Exhibit C: Objective Description of Variety

Lettuce: Coastal Star

Item 3 - Photocopy of the fourth leaf from 20 day old seedling grown under optimal conditions.



**Coastal Star: Fourth True Leaf of 20 day Old Seedling**

Exhibit C: Objective Description of Variety

Lettuce: Coastal Star

Item 4 - Mature Leaves

Photograph of harvest-mature outer leaves showing color and margin characteristics.

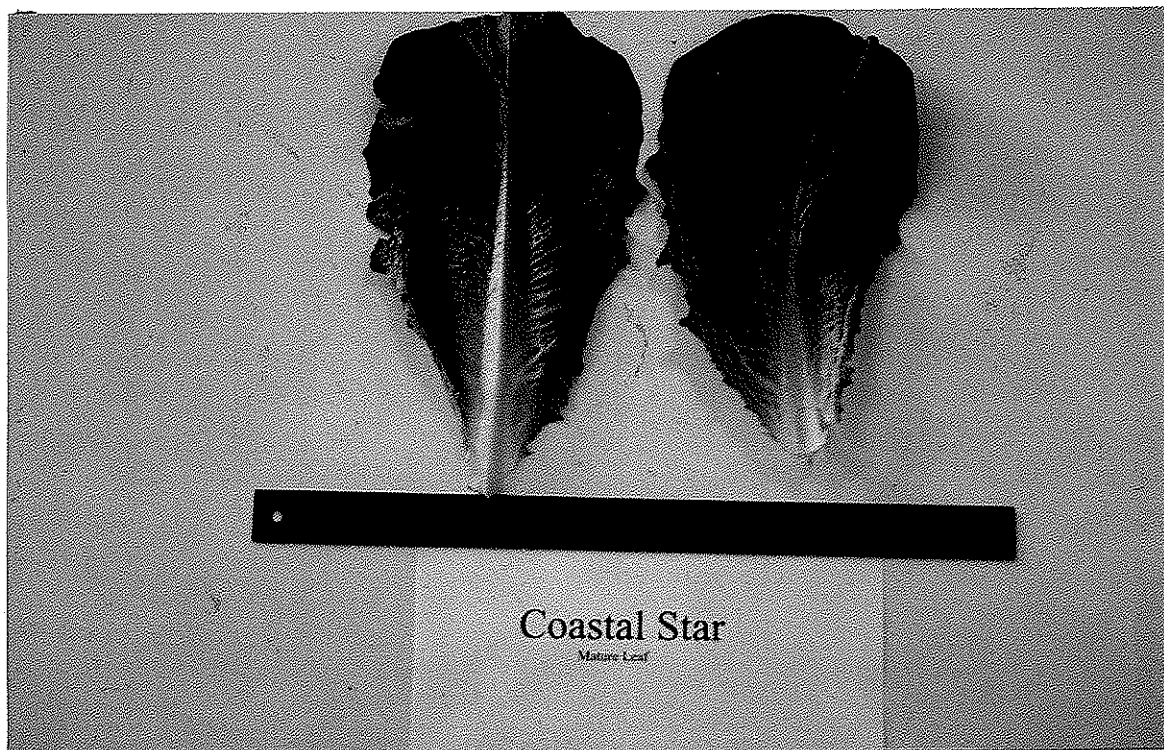


Exhibit B: Coastal Star

## PVP Trial #1 C &amp; G

## Variety Effects on Core Diameter

	<i>Total</i>	<i>Coastal Star</i>	<i>Medallion</i>	<i>Darkland</i>
Count		96	96	96
Sum		3183	3232	3254
Average		33.15625	33.66667	33.89583
Variance		4.406908	6.37193	4.536404

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	123.5938	3	41.19792	9.757052	3.87E-06	2.637307
Varieties	27.52083	2	13.76042	3.25893	0.039913	3.028489
Interaction	165.9792	6	27.66319	6.551575	1.75E-06	2.1315
Within	1165.375	276	4.222373			
Total	1482.469	287				

Two way Comparison: Core Diameter  
Coastal Star vs. Medallion

	<i>Total</i>	<i>Coastal Star</i>	<i>Medallion</i>
Count		96	96
Sum		3183	3232
Average		33.15625	33.66667
Variance		4.406908	6.37193

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	159.3073	3	53.10243	13.04737	9.17E-08	2.653692
Varieties	12.50521	1	12.50521	3.072553	0.08129	3.892495
Interaction	115.8073	3	38.60243	9.48469	7.39E-06	2.653692
Within	748.875	184	4.069973			
Total	1036.495	191				

Two way Comparison: Core Diameter  
Coastal Star vs. Darkland

	<i>Total</i>	<i>Coastal Star</i>	<i>Darkland</i>
Count		96	96
Sum		3183	3254
Average		33.15625	33.89583
Variance		4.406908	4.536404

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	35.51563	3	11.83854	2.940492	0.034484	2.653692
Varieties	26.25521	1	26.25521	6.521345	0.011469	3.892495
Interaction	73.30729	3	24.43576	6.069426	0.000582	2.653692
Within	740.7917	184	4.026042			
Total	875.8698	191				

Exhibit B: Coastal Star

PVP Trial #2 D.J.Enterprises

## Variety Effects on Core Diameter

	Total		Coastal Star	Medallion	Darkland	
Count			96	96	96	
Sum			3591	3590	3504	
Average			37.40625	37.39583	36.5	
Variance			6.938487	9.420614	7.978947	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	132.5382	3	44.1794	5.825971	0.000714	2.637307261
Varieties	51.96528	2	25.98264	3.42635	0.033894	3.028489459
Interaction	86.61806	6	14.43634	1.903731	0.080297	2.13150031
Within	2092.958	276	7.583182			
Total	2364.08	287				

## Two way Comparison: Core Diameter

Coastal Star vs. Medallion

	Total		Coastal Star	Medallion	
Count			96	96	
Sum			3591	3590	
Average			37.40625	37.39583	
Variance			6.938487	9.420614	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	129.5156	3	43.17188	5.64696	0.001008	2.653692377
Varieties	0.005208	1	0.005208	0.000681	0.979205	3.892495215
Interaction	17.89063	3	5.963542	0.780042	0.506481	2.653692377
Within	1406.708	184	7.645154			
Total	1554.12	191				

## Two way Comparison: Core Diameter

Coastal Star vs. Darkland

	Total		Coastal Star	Darkland	
Count			96	96	
Sum			3591	3504	
Average			37.40625	36.5	
Variance			6.938487	7.978947	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	122.0156	3	40.67188	5.966019	0.000666	2.653692377
Varieties	39.42188	1	39.42188	5.782661	0.017177	3.892495215
Interaction	40.76563	3	13.58854	1.993257	0.116549	2.653692377
Within	1254.375	184	6.817255			
Total	1456.578	191				

Exhibit B: Coastal Star

PVP Trial #3 Pybas production field

Variety Effects on Seedstalk Height

<i>Total</i>	<i>Coastal Star</i>	<i>Green Towers</i>
Count	96	96
Sum	3890.5	3292.5
Average	129.6833	109.75
Variance	123.5945	126.5819

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	1940.208	2	970.1042	10.702960	0.000122	3.168246
Varieties	5960.067	1	5960.067	66.75618	6.58E-11	4.01954
Interaction	420.4083	2	210.2042	2.319139	0.108078	3.168246
Within	4894.5	54	90.63889			
Total	13215.18	59				

Exhibit B: Coastal Star

PVP Trial #3 Pybas production field

## Variety Effects on Framespread

<i>Total</i>	<i>Coastal Star</i>	<i>Green Towers</i>
Count	30	30
Sum	1230.5	1313
Average	41.01667	43.76667
Variance	13.7842	12.32299

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Reps	117.0333	2	58.51667	5.070646	0.009592	3.168246
Varieties	113.4375	1	113.4375	9.829703	0.002777	4.01954
Interaction	16.9	2	8.45	0.732218	0.485554	3.168246
Within	623.175	54	11.54028			
Total	870.5458	59				

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

EXHIBIT E  
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) <u>Beneer</u> <u>ENZA ZADEN, De Enkhuizer Zaachhandel BV.</u>	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  <u>Exp. R2776</u>	3. VARIETY NAME  <u>Coastal Star</u>
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) <u>Postbus 7, 1600 AA Enkhuizen</u> <u>Haling 1e, 1602 DB Enkhuizen</u> <u>The Netherlands</u>	5. TELEPHONE (include area code) <u>USA: 831 623-4644</u> <u>NL: +31 228-315844</u> 7. PVPO NUMBER <u>200100226</u>	6. FAX (include area code) <u>USA: 831 623-1746</u> <u>NL: +31 228-315854</u>

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country Holland ☐ YES ☒ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES ☐ NO If no, give name of country

b. If original rights to variety were owned by a company, is the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (If needed, use reverse for extra space):

## PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To: Robin Davis  
PVP Office  
NAL Building, Room 400  
10301 Baltimore Avenue  
Beltsville, MD 20705

Date: May 4, 2005

Subject: payments

Dear Robin Davis,

I've enclosed two checks:

Check #6618, \$190.- (5x\$38.-)

To change applicants name from Enza Zaden De Enkhuizer Zaadhandel B.V. to Enza Zaden Beheer B.V.  
for the following numbers:

- 1) PVP# 9900259 (Ponderosa)
- 2) PVP#200100226 (Coastal Star)
- 3) PVP#200200046 (Durango)
- 4) PVP#200300168 (Telluride)
- 5) Added: PVP#9900254 (Silverado)

Addresses, etc. remain the same.

Check #6577, \$432.-

payment certificate pvp# 9900259. I thought that we already sent this check but that was not the case.

If you have any questions, please do not hesitate to contact us.

Sincerely,

  
Aernoudt Aardse  
Enza Zaden Research USA

Office: 831-623-4644  
Fax: 831-623-1746  
Mobile: 831-710-0605  
Email: [a.aardse@coastalseeds.com](mailto:a.aardse@coastalseeds.com)